

NVM Express Technical Errata

Errata ID	022
Change Date	11/29/2011
Affected Spec Ver.	NVM Express 1.0b
Corrected Spec Ver.	

Submission info

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Added multi-command sequence violation error for use with Security Send & Security Receive, based on input from TCG SIIS editor.

Description of the specification technical flaw

Modify Figure 16 as shown below:

Figure 16: Status Code – Generic Command Status Values

Value	Description
00h	Successful Completion: The command completed successfully.
01h	Invalid Command Opcode: The associated command opcode field is not valid.
02h	Invalid Field in Command: An invalid field specified in the command parameters.
03h	Command ID Conflict: The command identifier is already in use. Note: It is implementation specific how many commands are searched for a conflict.
04h	Data Transfer Error: Transferring the data or metadata associated with a command had an error.
05h	Commands Aborted due to Power Loss Notification: Indicates that the command was aborted due to a power loss notification.
06h	Internal Device Error: The command was not completed successfully due to an internal device error. Details on the internal device error are returned as an asynchronous event. Refer to section 5.2.
07h	Command Abort Requested: The command was aborted due to a Command Abort command being received that specified the Submission Queue Identifier and Command Identifier of this command.
08h	Command Aborted due to SQ Deletion: The command was aborted due to a Delete I/O Submission Queue request received for the Submission Queue that the command was issued to.
09h	Command Aborted due to Failed Fused Command: The command was aborted due to the other command in a fused operation failing.
0Ah	Command Aborted due to Missing Fused Command: The command was aborted due to the companion fused command not being found as the subsequent Submission Queue entry.
0Bh	Invalid Namespace or Format: The namespace or the format of that namespace is invalid.
0Ch	Command Sequence Error: The command was aborted due to a protocol violation in a multi-command sequence (e.g. a violation of the Security Send and Security Receive sequencing rules in the TCG Storage Synchronous Interface Communications protocol).
0Dh 0Ch – 7Fh	Reserved
80h – BFh	I/O Command Set Specific
C0h – FFh	Vendor Specific

Disposition log

11/29/2011	Erratum captured.
1/2/2012	Erratum ratified.

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